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ENVIRONMENTAL CLEANUP

5219 N. Shirley St. Suite 100, Ruston, WA 98407

March 15, 2012

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 189, February 2012
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. The report is organized to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 236.

Sincerely,

A handwritten signature in blue ink, appearing to read "Loren Cohen".

Loren Cohen
Manager of Legal Affairs

Attachment (2 copies)

cc: Steve Teel - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay

USEPA SF



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Monthly Report 189, February 2012

Operable Unit 02

Asarco Tacoma Smelter Site

A. *Actions taken to achieve compliance with the Consent Decree during the previous month:*

1. Met with EPA on February 10th for EPA coordination meeting.
2. Re-submitted updated Temporary Interim Permanent Cap Plan, Site Wide Storm Water Plan and Construction Health and Safety Plan to EPA.
3. Continued construction of the improvements associated with the Master Infrastructure CMP, including utilities and roads.
4. Completed the punch list associated with Shoreline Armoring RA for required shoreline armoring under the Consent Decree. Began drafting post-construction report for planned March submittal to EPA.
5. Site wide maintenance conducted after storm events, including replacement of silt fences and other storm water BMPs, as well as exclusion zone fencing. On-going site maintenance and monitoring continues, including all requirements under the Site Wide Construction Health and Safety Plan.
6. Continued weekly site-inspection reports (see attached).
7. Maintained clean work areas and roads.
8. Training activities include the following:
 - Site Safety Orientations (Clean Zone) was held for personnel of the following companies:
 - i. Eighteen (18) M.S. Construction employees
 - ii. One (1) Smith Fire Service employee
 - iii. Sixteen (16) City of Tacoma employees
 - iv. Three (3) Alliance Steel Erectors employees
 - v. Four (4) Tyee Concrete Construction employees
 - vi. One (1) Point Ruston employee
 - vii. One (1) Stegin Concrete Construction employee
 - viii. One (1) Labor Systems Job Center employee
 - ix. Four (4) M.B. Electric employees
 - x. Two (2) Tercom Construction employees
 - xi. One (1) DM Kelly employee
 - xii. Two (2) Drain Pro employees
 - xiii. One (1) Olson Brothers employee
 - xiv. One (1) Apex Engineering employee
 - xv. One (1) Crosson Trucking employee
 - xvi. One (1) Teufel Landscaping employee
 - xvii. One (1) WA Dept. of Labor & Industries employee
 - xviii. One (1) Brumbaugh & Associates employee
 - xix. One (1) A.N.R. employee
 - xx. Three (3) Octavio Landscaping employees
 - xxi. One (1) Gordy Bagnell Trucking employee
 - xxii. One (1) Emerald Services employee

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- HAZWOPER annual retraining was verified or completed by personnel of the following companies:
 - i. Twelve (12) Tacoma Power employees
 - ii. One (1) Apex Engineering employee
 - iii. One (1) ESM Consulting Engineers employee
- Other relevant monitoring or training was verified or completed by personnel of the following companies:

B. Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from April-October, and in December and February.

In addition to the North and South Outfalls, Point Ruston monitors an existing, upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Samples were collected by Point Ruston from the outfall locations on February 6th, 13th, 20th, and 27th. Results from samples collected are attached. There were no exceedances.

- 2. Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 100 gallons per day on the LCRS. Point Ruston shipped 4,632 gallons of leachate (4.06 mg/L arsenic) on February 9th. Sample results are attached.
- 3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. With EPA approval, Point Ruston has suspended perimeter air monitoring during wet weather events that cause wet site conditions.

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Perimeter air monitoring will resume when the weather allows the site to dry out. Results for samples collected January 27th through February 29th are attached. There were no exceedances.

4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring (Exposure Evaluations) was not required in February.
5. Point Ruston performs subsurface methane gas monitoring. In 2009 a passive gas extraction system was installed under the western side of the building 2B foundation, as part of the construction associated with the Phase 1 CMP. In 2011, four gas monitoring wells were installed within the boundaries of the eastern half of building 2B. The Gas Monitoring Data Log and field worksheets for the month of February are attached. No methane has been detected.

C. *Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:

Point Ruston Grade and Site Cap (Hydrometrics 2008) – received EPA approval

Temporary Cap Plan – Resubmitted Jan 26th; awaiting EPA comments.

Site Wide Storm Water Plan -- submittal to EPA for review and approval (Hydrometrics 2011), received interim EPA approval, awaiting formal and final approval of Interim Permanent Cap Plan.

Construction Health & Safety Plan (CH&SP) – submitted on January 26th; awaiting EPA comments.

BNSF Excavation & RA Plan – received EPA approval; work completed and approved.

Sequence of Development and Occupancy Plan (SDOP) –Submitted on January 26th; awaiting EPA comments.

Ruston Way SAP – EPA approved, work completed.

Operations Maintenance, and Monitoring Plan (OMMP) – Point Ruston continuing edits and– tentatively scheduled for submittal following EPA comments on SDOP.

CC&Rs and HOA OMMP budget – Point Ruston continuing edits and restructuring. Removing environmental specific conditions and placing into stand-alone Environmental CC&R document - submittal anticipated following receipt of EPA's comments to SDOP.

Phase 1 Construction Management Plan (CMP) –EPA approval; edits and restructuring for re-submittal to include updated RA for site improvements; construction to continue through summer 2012.

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Master Infrastructure CMP – EPA approved, work ongoing.

Waterwalk CMP – Submitted to EPA in February; awaiting EPA comments.

**Biological Assessment South Outfall Construction (Edwards Street)/
BA South Outfall Flow (Edwards Street)** – EPA comments received.

Point Ruston BA consultants updating BA per comments; to be resubmitted in March. EPA to approve routing new Ruston Way storm water run-off to Edwards Street outfall prior to conclusion of ESA consultation upon official Point Ruston request.

BA Shoreline Stabilization – EPA approved. Work completed December 2011. Punch list work completed in February. Post-inspection completion report being drafted; to be submitted March 2012.

2. Remedial Action included the following tasks:

- OCF construction activities:
 - Maintained leachate collection system.
 - Inspected storm drain system, vaults and cover.
- Stack Hill construction activities:
 - Maintained erosion and surface water controls; Maintained site perimeter fence and signage at the north end of Stack Hill.
 - Subgrade samplings of Stack Hill face to determine extent of cap and RA.
 - Beginning to plan for the closure of the temporary storm water ditch.
- Site-wide remediation/redevelopment activities:
 - Continued surface water controls
 - Maintained onsite haul roads and stockpiles
 - Maintained erosion and surface water controls; Inspected and repaired silt fence and exclusion zone fencing. Ruston Way closed to public traffic to accommodate MICMP construction of ROW and other public utilities. Ruston side of Tunnel filled with Baltimore St. road prism clean ballast. April 21st Ruston Way grand opening event scheduled.
 - Continued site-wide dust monitoring and control through site and access road watering, as needed. (None during wet weather events.)
 - Maintained air-monitoring program per CH&SP
 - Completed shoreline armoring BA, construction began, and trenching and armoring construction on going.
 - Main Site Access is located at 54th & Bennett Street, Ruston WA. The physical address is 5397 N. Bennett Street, Ruston, WA 98407. The south gate (Ruston Way) is only accessible for emergency access or as necessary for MICMP/LID construction as the construction of concrete curbs have physically limited access through this point of the site.

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D. Actions scheduled for the next six weeks.

1. Per MICMP, initiate the Filterra storm water filters, pave the road, and complete landscaping and light installation. Complete installation of Power and Data (Qwest, Comcast, Click, etc.) within the JUT. MICMP completion expected May-2012; Point Ruston to complete construction drawings for Waterwalk. Grand opening celebration of Ruston Way scheduled for April 21, 2012.
2. Submit post completion construction report for shoreline armoring and apply for Certificate of Completion for this element of the RA, per the Consent Decree.
3. Finalize design and approvals of Interim Permanent Cap, begin site wide mass grading, and begin construction of liner (construction now delayed due to wet weather and unworkable site conditions).
4. Continue CH&SP air monitoring during RA activities.
5. Meet with EPA management regarding occupancy plans and continue discussion of SOW schedule extension.
6. Continue to work on response to EPA comments on the Operation, Maintenance and Monitoring Plan ("OMMP")
7. Continue discussions with Metro Parks Tacoma regarding Slag Peninsula property; begin initial work on Peninsula Park CMP.
8. Continue discussions with DNR and State of Washington regarding aquatic land RA, and pursuit of funding for cleanup of contaminated state-owned aquatic land sediments.

The following Remedial Action tasks are planned to continue:

RA Monitoring:

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring during remedial action activities

OCF OMMP activities:

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

Stack Hill construction activities:

- a. Erosion controls and site maintenance
- b. Continue home construction and sales & marketing efforts

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Site-wide construction activities:

- a. Continue surface water controls
- b. Maintain roads and stockpiles onsite
- c. Maintain erosion controls
- d. Construction activities for mass grading and Master Infrastructure
- e. Complete site wide grading and placement of onsite stockpiles and soils in advance of subgrade construction and compaction.

E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

- 1. Point Ruston is continuing to work with the City of Tacoma & Town of Ruston on work associated with the Master Infrastructure CMP and Phase I CMP; LID construction is ongoing as is Phase 1 building framing to continue vertical, tentatively with one-floor framed per 10 working days, and first occupancy tentatively scheduled for Fall 2012.
- 2. Weather (snow and rain) is slowing progress of MICMP related work.

F. Modifications to work plans or schedules proposed to or approved by EPA.

- 1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
- 2. Point Ruston submitted a Request for Schedule Modification to Attachment 1 of the Final Statement of Work on February 9, 2010. EPA approved a SOW Schedule Modification on March 24, 2011 deleting the 50% cap completion date, in exchange for an agreement by Point Ruston to complete an interim temporary cap on the site.

G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

- 1. Marketing of the Ruston Way 5k fun run and walk event (www.RustonWay5k.com), to be held on April 21st with a Ribbon Cutting Ceremony for Ruston Way re-opening. 1000s of rack cards, flyers, and posters distributed throughout the region.
- 2. Press release issued, and major news story, cover the announcement of the Century Theatre 9-screen cinema opening at Point Ruston in 2014, as part of the retail core at the site.

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3. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.
4. Point Ruston continues negotiations, design and conclusion of the sale of Waterwalk property to the City of Tacoma.
5. Continue to work in coordination with Tacoma Yacht Club and Metro Parks regarding Slag Peninsula cleanup and Yacht Club Rd. construction.
6. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.
7. Point Ruston to continue discussions with DNR and legislative leaders related to aquatic land cleanup issues.



Weekly Site Inspection Report No.

2012-0129

Week of: 1/29 – 2/4, 2012

Inspector: Tim Rusher

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates: 49 th & Ruston Wy Peninsula 52 nd Street 54 th Street (electric)	(G) F P (G) F P (G) F P (G) F P	Y N Y N Y N Y N	
Signage: Gates Perimeter Safety (Other)	(G) F P (G) F P (G) F P G F P	Y N Y N Y N Y N	KIDS TRIED TO OPEN PORTALS AT STACK HILL
Public Streets: Ruston Way 51 st & Gallagher Stack Hill (Other)	G F P G F P (G) F P G F P	Y N Y N Y N Y N	CLOSED TO PUBLIC CLOSED
BMPs: Berms Waddles Silt Fence (Other)	(G) F P (G) F P (G) F P G F P	Y N Y N Y N Y N	
Strom drains clean: Lower Site Stack Hill	(G) F P (G) F P	Y N Y N	
Stockpiles: Envirotac II Plastic Packed Grass	(G) F P G F P (G) F P (G) F P	Y N Y N Y N Y N	NONE
Dust: Traffic areas Excavation area (Other)	(G) F P (G) F P G F P	Y N Y N Y N	
Fencing: Site Perimeter Zone Separation (Other)	(G) F P (G) F P G F P	Y N Y N Y N	
Cameras: Lower Site (Other)	G (F) P G (F) P	Y N Y N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No.

2012-0129

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	NEED REPAIR?	COMMENTS/OBSERVATIONS	
Health & Safety Plans: Site Superintendent Construction Super. Other	G	F	P	(Y) N
	G	F	P	(Y) N
	G	F	P	(Y) N

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:	KIDS ATTEMPTED TO OPEN FENCE PANELS ON STACK HILL, BUT DID NOT COMPLETE. REPAIRS WERE MADE BY END OF DAY (2/1).

Air Monitoring:

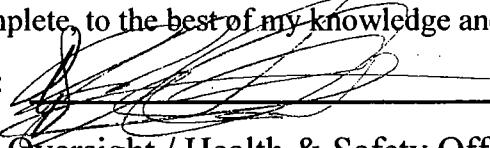
Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun	29	N	N NO RA ACTIVITY
Mon	30	Y	N GRADING w/DOZER NEAR S-END / CURB + GUTTER WORK / J.U.T.
Tue	31	Y	N SIDEWALK GRADING ALONG RUSTON WAY / DEMO SHORELINE WALL FRONTING
Wed	2/1	Y	N ROUND-A-BOUT GRADING / CURB + GUTTER / J.U.T. / R.O.W. GRADING
Thu	2	Y	N UTILITY WORK ON S1 ST / SIDEWALK DEMO ALONG S1 ST / CURB + GUTTER
Fri	3	Y	N GRADING SHORELINE LID / CURB + GUTTER / BUILDING MAINT. SHORT CUR
Sat	4	N	N NO RA ACTIVITY

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun	29	41°/49°; SSW WIND 7 MPH / GUST 19 MPH, PRECIP. 0.87" (ALL DAY)
Mon	30	42°/47°; SSW WIND 8 MPH / GUST 18 MPH, PRECIP. 0.04" (EARLY MORNING/EVE)
Tue	31	42°/48°; SSW WIND 4 MPH / GUST 12 MPH, PRECIP. 0.11" (EVE)
Wed	2/1	38°/48°; SSW WIND 4 MPH / GUST 11 MPH, PRECIP. 0.35" (MORN to NOON)
Thu	2	37°/47°; NNE WIND 2 MPH / GUST 7 MPH, NO PRECIPITATION
Fri	3	35°/59°; NNE WIND 1 MPH / GUST 6 MPH, NO PRECIPITATION
Sat	4	39°/51°; NE WIND 1 MPH / GUST 7 MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 2/6/2012

SIGNED: 

Tim R.

TITLE: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No.

2012-0205

Week of:

2/5 – 11, 2012

Inspector:

Tim Rusher

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates: 49 th & Ruston Wy Peninsula 52 nd Street 54 th Street (electric)	(G)	F	P	Y (N)
	(G)	F	P	Y (N)
	(G)	F	P	Y (N)
	(G)	F	P	Y (N)
Signage: Gates Perimeter Safety (Other)	(G)	F	P	Y (N)
	(G)	F	P	Y (N)
	(G)	F	P	Y (N)
	G	F	P	Y N
Public Streets: Ruston Way 51 st & Gallagher Stack Hill (Other)	G	F	P	Y N
	G	F	P	Y N
	(G)	F	P	Y (N)
	G	F	P	Y N
BMPs: Berms Waddles Silt Fence (Other)	(G)	F	P	Y (N)
	(G)	F	P	Y (N)
	(G)	F	P	Y (N)
	G	F	P	Y N
Strom drains clean: Lower Site Stack Hill	(G)	F	P	Y (N)
	(G)	F	P	Y (N)
Stockpiles: Envirotac II Plastic Packed Grass	G	F	P	Y N
	G	F	P	Y N
	(G)	F	P	Y (N)
	G	F	P	Y (N)
Dust: Traffic areas Excavation area (Other)	(G)	F	P	Y (N)
	(G)	F	P	Y (N)
	G	F	P	Y N
Fencing: Site Perimeter Zone Separation (Other)	(G)	F	P	Y (N)
	G	(F)	P	(Y) N
	G	F	P	Y N
Cameras: Lower Site (Other)	G	(F)	P	Y (N)
	G	(F)	P	Y (N)

G=Good F=Fair P=Poor Y=Yes N=No

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans: Site Superintendent Construction Super. Other	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: EROSION FROM PARKING LOT USED BY TOWN OF RUSTON
 CONTRACTOR FOR STOCK PILING ENTERING SITE NEAR CCF TANK,
 TOWN NOTIFIED & HAD CONTRACTOR INSTALL EROSION CONTROL (BMP'S)

Air Monitoring:

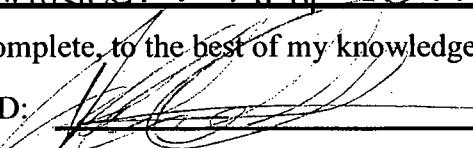
Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun	5	N	N NO RA ACTIVITY
Mon	6	Y	N CURB&GUTTER/WATERLINE/J.U.T./SHORELINE(LID)
Tue	7	Y	N CURB&GUTTER/GRADING LOT 18/WATERLINE/J.U.T.
Wed	8	Y	N BLOCK WALL PREP/J.U.T./
Thu	9	Y	N CURB&GUTTER/J.U.T./BLOCK WALL PREP/GRADING FOR SIDEWALKS
Fri	10	Y	N CURB&GUTTER/J.U.T./
Sat	11	N	N NO RA ACTIVITY

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun	5	30°/52°: NNE WIND 2 MPH/GUST 8 MPH, NO PRECIPITATION
Mon	6	37°/60°: NNE WIND 2 MPH/GUST 7 MPH, NO PRECIPITATION
Tue	7	45°/60°: NNE WIND 1 MPH/GUST 5 MPH, PRECIP. 0.03" (MIDNIGHT)
Wed	8	41°/47°: SOUTH WIND 1 MPH/GUST 5 MPH, PRECIP. 0.16" (MORNIN SCATTERED)
Thu	9	44°/48°: NNE WIND 1 MPH/GUST 10 MPH, PRECIP. 0.15" (MORN. - EVE)
Fri	10	43°/52°: SW WIND 3 MPH/GUST 11 MPH, PRECIP. 0.09" (SCATTERED)
Sat	11	42°/47°: SSW WIND 5 MPH/GUST 10 MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 2/13/2012

SIGNED: 

T.M.P.

TITLE: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No.

2012-0212

Week of:

2/12 – 18, 2012

Inspector: **Tim Rusher**

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates: 49 th & Ruston Wy Peninsula 52 nd Street 54 th Street (electric)	(G) F P (G) F P (G) F P (G) F P	Y N Y N Y N Y N	
Signage: Gates Perimeter Safety (Other)	(G) F P (G) F P (G) F P G F P	Y N Y N Y N Y N	
Public Streets: Ruston Way 51 st & Gallagher Stack Hill (Other)	G F P G F P (G) F P G F P	Y N Y N Y N Y N	(CLOSED) (CLOSED)
BMPs: Berms Waddles Silt Fence (Other)	(G) F P (G) F P (G) F P G F P	Y N Y N Y N Y N	
Strom drains clean: Lower Site Stack Hill	(G) F P (G) F P	Y N Y N	
Stockpiles: Envirotac II Plastic Packed Grass	(G) F P G F P (G) F P G F P	Y N Y N Y N Y N	NONE NONE
Dust: Traffic areas Excavation area (Other)	(G) F P (G) F P G F P	Y N Y N Y N	
Fencing: Site Perimeter Zone Separation (Other)	(G) F P G (F) P G F P	Y N Y N Y N	Maintenance is ONGOING
Cameras: Lower Site (Other)	G (F) P G (F) P	Y N Y N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No.

2012-0212

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS	
Health & Safety Plans:					
Site Superintendent	G	F	P	Y	N
Construction Super.	G	F	P	Y	N
Other	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:

Air Monitoring:

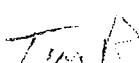
Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun	12	N	No RA ACTIVITY
Mon	13	Y	CURB & GUTTER / BLOCK WALL / COOLING POND PUMP / T.U.T. FILL LINER
Tue	14	Y	BLOCK WALL LINER / SHORELINE (LID) / BARGE UNLOADING
Wed	15	Y	Lower OCF Slope Excavation / Block Wall / Grade Mats / Connector
Thu	16	Y	Block Wall Liner / Curb & Gutter / Storm (LID) /
Fri	17	Y	Storm (LID) / Block Wall Liner / Curb & Gutter
Sat	18	N	No RA ACTIVITY

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun	12	41°/47°; SW WIND 2 MPH / GUST 5 MPH, PRECIP. 0.08" (LATE EVE)
Mon	13	40°/45°; SW WIND 2 MPH / GUST 8 MPH, PRECIP. 0.23" (MORN)
Tue	14	38°/44°; SSW WIND 4 MPH / GUST 12 MPH, PRECIP. 0.11" (SCATTERED)
Wed	15	36°/45°; SW WIND 3 MPH / GUST 9 MPH, NO PRECIPITATION
Thu	16	37°/45°; SSW WIND 3 MPH / GUST 8 MPH, PRECIP. 0.08" (LATE MORNING)
Fri	17	40°/46°; SSW WIND 3 MPH / GUST 14 MPH, PRECIP. 0.48" (MORN & EVE)
Sat	18	37°/44°; SSW WIND 12 MPH / GUST 17 MPH, PRECIP. 0.38" (MORN to now)

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 2/20/2012

SIGNED: 

TITLE: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2012-0219

Week of: 2/19 – 25, 2012 **Inspector:** Tim Rusher

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates: 49 th & Ruston Wy Peninsula 52 nd Street 54 th Street (electric)	(G) F P (G) F P (G) F P (G) F P	Y Y Y Y N N N N	
Signage: Gates Perimeter Safety (Other)	(G) F P (G) F P (G) F P G F P	Y Y Y N N N N	
Public Streets: Ruston Way 51 st & Gallagher Stack Hill (Other)	G F P G F P (G) F P G F P	Y Y Y N N N N	CLOSED CLOSED
BMPs: Berms Waddles Silt Fence (Other)	(G) F P (G) F P (G) F P G F P	Y Y Y N N N N	
Strom drains clean: Lower Site Stack Hill	(G) F P (G) F P	Y Y N N	
Stockpiles: Envirotac II Plastic Packed Grass	(G) F P (G) F P (G) F P G F P	Y Y Y N N N N	JONE JONE
Dust: Traffic areas Excavation area (Other)	(G) F P (G) F P G F P	Y Y Y N N N	
Fencing: Site Perimeter Zone Separation (Other)	(G) F P G (F) P G F P	Y Y Y N N N	Wind DAMAGE / Needs Paint Work
Cameras: Lower Site (Other)	G (F) P G (F) P	Y Y N N	

G=Good F=Fair P=Poor Y=Yes N=No

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Health & Safety Plans: Site Superintendent Construction Super. Other	G	F	P	Y N	FINALIZING Version 6
	G	F	P	Y N	
	G	F	P	Y N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: ~~(*)~~ AS NOTED BELOW - POWER OUTAGE RESULTED IN HI-VOL AT S.GATE NOT RUN.

Air Monitoring:

Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun	19	N N	NO RA ACTIVITY
Mon	20	Y N	ROAD LID / BLOCK WALL LINER /
Tue	21	Y N	BLOCK WALL / STREET LIGHT TRENCH / STREET CUTTING @ 49M + RUSTICATION
Wed	22	Y* N	*NO POWER AT S.GATE MONITOR ROAD LID / GUTTER + GUTTER / ASPHALT DEMO / BLOCK WALL / STREET LIGHT TRENCH
Thu	23	Y* N	*NO POWER AT S.GATE MONITOR SECURITY GATE PAINT / BLOCK WALL / Haul Roads Grading / OCF HILLSIDE DIG CUT & GUTTER
Fri	24	Y* N	*NO POWER AT S.GATE MONITOR NEW HAUL ROUTE GRADING / BLOCK WALL / GUTTER + GUTTER
Sat	25	N N	NO RA ACTIVITY

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun	19	35°/43°:SSW WIND 6MPH/GUST 14MPH, NO PRECIPITATION
Mon	20	35°/46°:SSW WIND 3MPH/GUST 18MPH, PRECIP. 0.08" (AFTERNOON)
Tue	21	41°/50°:SSW WIND 12MPH/GUST 30MPH, PRECIP. 0.07" (EVE-3:ATE EVE)
Wed	22	40°/49°:SW WIND 12MPH/GUST 20MPH, PRECIP. 0.03" (EARLY MORNING)
Thu	23	36°/48°:SSW WIND 6MPH/GUST 15MPH, NO PRECIPITATION
Fri	24	40°/46°:SSW WIND 4MPH/GUST 15MPH, PRECIP. 0.28" (EVE-LATE EVE)
Sat	25	36°/43°:SW WIND 13MPH/GUST 27MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 2/27/2012

SIGNED: 

TITLE: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No.

2012-0226

Week of:

2/26 – 3/3, 2012

Inspector: Tim Rusher

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates: 49 th & Ruston Wy Peninsula 52 nd Street 54 th Street (electric)	(G) F P (G) F P (G) F P (G) F P	Y Y Y Y N N N N	
Signage: Gates Perimeter Safety (Other)	(G) F P (G) F P (G) F P G F P	Y Y Y Y N N N N	
Public Streets: Ruston Way 51 st & Gallagher Stack Hill (Other)	G F P G F P (G) F P G F P	Y Y Y Y N N N N	CLOSED CLOSED
BMPs: Berms Waddles Silt Fence (Other)	(G) F P (G) F P (G) F P G F P	Y Y Y Y N N N N	
Strom drains clean: Lower Site Stack Hill	(G) F P (G) F P	Y Y N N	
Stockpiles: Envirotac II Plastic Packed Grass	(G) F P G F P (G) F P G F P	Y Y Y Y N N N N	None None
Dust: Traffic areas Excavation area (Other)	(G) F P (G) F P G F P	Y Y Y N N N	
Fencing: Site Perimeter Zone Separation (Other)	(G) F P G (F) P G F P	Y Y Y N N N	Needs Daily MAINTENANCE
Cameras: Lower Site (Other)	G (E) P G (E) P	Y Y N N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2012-0226
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Health & Safety Plans: Site Superintendent Construction Super. Other	G	F	P	Y (N)	VERSION 6 COMPLETE
	G	F	P	Y (N)	RENG Revisioned
	G	F	P	Y N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:	USED ESCORT MONITOR AT S. GATE LOCATION DURING POWER OUTAGES. (2/29 + 3/1) PERSONAL AIR MONITORING ALSO CONDUCTED ON 2/29 + 3/1

Air Monitoring:

Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun	26	N N	NO RA ACTIVITY
Mon	27	Y N	BLOCKWALL / EQUIP DECON / CURB + GUTTER / NEIGHBORS - BNSF TREE CUTTING
Tue	28	Y N	BLOCKWALL / 2A WELDING / SHORELINE LID S END
Wed	29	Y Y	BLOCKWALL / RAIN / USED ESCORT SAMPLER AT S. END (NO POWER)
Thu	3/1	Y Y	S. END SHORELINE LID / ROAD LID / BLOCKWALL / TAC POWER ACCESS PLS
Fri	2	Y Y	BLOCKWALL / S. END POWER TRENCH TO FENCE /
Sat	3	N N	NO RA ACTIVITY

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun	26	35°/42°; SW WIND 10MPH/GUST 20MPH, NO PRECIPITATION
Mon	27	33°/44°; NNE WIND 4MPH/GUST 11MPH, NO PRECIPITATION
Tue	28	31°/44°; SOUTH WIND 2MPH/GUST 17MPH, PRECIP. 0.08" (EVE)
Wed	29	34°/39°; SSW WIND 8MPH/GUST 18MPH, PRECIP. 0.19" (MORN & NIGHT)
Thu	3/1	32°/43°; SSW WIND 4MPH/GUST 11MPH, NO PRECIPITATION
Fri	2	36°/44°; SSW WIND 10MPH/GUST 13MPH, PRECIP. 0.05" (MORN & AFTERNOON)
Sat	3	44°/52°; SSW WIND 9MPH/GUST 11MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 3/5/2012

SIGNED:

TITLE: Construction Oversight / Health & Safety Officer

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RECEIVED
JAN 04 2012
BY:

12/30/2011

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: OCF-Leachate Tank
Client ID: TSM 121121
Sample Matrix: Leachate
Date Sampled: 12/21/2011
Date Received: 12/21/2011
Spectra Project: 2011120464
Spectra Number: 1

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Arsenic	4.06	mg/L	EPA 200.7

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a6/scj

Page 1 of 1

CHAIN OF CUSTODY RECORD

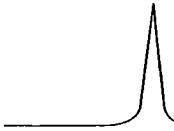
POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

Table 1. Summary of **February 2012** Outfall Data for As, Cu, and Zn Compared to SOW Limit

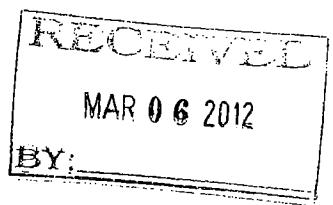
Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.038	7.50%	0.010	1.92%	0.010	1.96%
OSW2	0.024	4.80%	0.003	0.51%	0.010	2.07%
North Outfall	0.014	2.80%	0.008	1.64%	0.020	3.90%

* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.



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03/01/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter Outfall
Date Received: 02/27/2012
Spectra Project: 2012020629

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
TSM 0212406	1	Arsenic	0.016	mg/L	EPA 200.8	Water	02/06/2012
TSM 0212406	1	Copper	0.012	mg/L	EPA 200.8	Water	02/06/2012
TSM 0212406	1	Zinc	0.017	mg/L	EPA 200.8	Water	02/06/2012
TSM 0212206	2	Arsenic	0.030	mg/L	EPA 200.8	Water	02/06/2012
TSM 0212206	2	Copper	0.0061	mg/L	EPA 200.8	Water	02/06/2012
TSM 0212206	2	Zinc	0.0048	mg/L	EPA 200.8	Water	02/06/2012
TSM 0212106	3	Arsenic	0.046	mg/L	EPA 200.8	Water	02/06/2012
TSM 0212106	3	Copper	0.011	mg/L	EPA 200.8	Water	02/06/2012
TSM 0212106	3	Zinc	0.013	mg/L	EPA 200.8	Water	02/06/2012
TSM 0212413	4	Arsenic	0.013	mg/L	EPA 200.8	Water	02/13/2012
TSM 0212413	4	Copper	0.0048	mg/L	EPA 200.8	Water	02/13/2012
TSM 0212413	4	Zinc	0.020	mg/L	EPA 200.8	Water	02/13/2012
TSM 0212213	5	Arsenic	0.021	mg/L	EPA 200.8	Water	02/13/2012
TSM 0212213	5	Copper	0.0020	mg/L	EPA 200.8	Water	02/13/2012
TSM 0212213	5	Zinc	0.021	mg/L	EPA 200.8	Water	02/13/2012
TSM 0212113	6	Arsenic	0.038	mg/L	EPA 200.8	Water	02/13/2012
TSM 0212113	6	Copper	0.012	mg/L	EPA 200.8	Water	02/13/2012
TSM 0212113	6	Zinc	0.012	mg/L	EPA 200.8	Water	02/13/2012

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Steve Hibbs, Laboratory Manager
a8/scj



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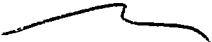
03/01/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter Outfall
Date Received: 02/27/2012
Spectra Project: 2012020629

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
TSM 0212420	7	Arsenic	0.014	mg/L	EPA 200.8	Water	02/20/2012
TSM 0212420	7	Copper	0.010	mg/L	EPA 200.8	Water	02/20/2012
TSM 0212420	7	Zinc	0.029	mg/L	EPA 200.8	Water	02/20/2012
TSM 0212220	8	Arsenic	0.022	mg/L	EPA 200.8	Water	02/20/2012
TSM 0212220	8	Copper	0.0011	mg/L	EPA 200.8	Water	02/20/2012
TSM 0212220	8	Zinc	0.013	mg/L	EPA 200.8	Water	02/20/2012
TSM 0212120	9	Arsenic	0.034	mg/L	EPA 200.8	Water	02/20/2012
TSM 0212120	9	Copper	0.0090	mg/L	EPA 200.8	Water	02/20/2012
TSM 0212120	9	Zinc	0.0076	mg/L	EPA 200.8	Water	02/20/2012
TSM 0212427	10	Arsenic	0.013	mg/L	EPA 200.8	Water	02/27/2012
TSM 0212427	10	Copper	0.0060	mg/L	EPA 200.8	Water	02/27/2012
TSM 0212427	10	Zinc	0.012	mg/L	EPA 200.8	Water	02/27/2012
TSM 0212227	11	Arsenic	0.023	mg/L	EPA 200.8	Water	02/27/2012
TSM 0212227	11	Copper	0.0009	mg/L	EPA 200.8	Water	02/27/2012
TSM 0212227	11	Zinc	0.0026	mg/L	EPA 200.8	Water	02/27/2012
TSM 0212127	12	Arsenic	0.032	mg/L	EPA 200.8	Water	02/27/2012
TSM 0212127	12	Copper	0.0064	mg/L	EPA 200.8	Water	02/27/2012

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Steve Hibbs, Laboratory Manager
a8/scj



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03/01/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter Outfall
Date Received: 02/27/2012
Spectra Project: 2012020629

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
TSM 0212127	12	Zinc	0.0065	mg/L	EPA 200.8	Water	02/27/2012

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Steve Hibbs, Laboratory Manager
a8/sej

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February 28, 2012

Point Ruston
5219 N. Shirley St.
Suite 100
Tacoma, WA 98407

Units: ug/L
Spectra Project: 2012020629
Applies to Spectra #'s 1 thru 12

QUALITY CONTROL RESULTS

ICP-MS Metals - EPA Method 200.8 - Water

Method Blank

Date Digested: 2/28/2012 Date Analyzed: 2/28/2012

Element	CAS #	Blank Result
Arsenic	7440-38-2	< 0.5
Copper	7440-50-8	< 0.5
Zinc	7440-66-6	< 0.5

Blank Spike (LCS)

Date Digested: 2/28/2012 Date Analyzed: 2/28/2012

Element	Spike Added	LCS Conc.	LCS %Rec
Arsenic	50.0	46.81	93.6
Copper	50.0	46.50	93.0
Zinc	50.0	44.75	89.5

LCS Recovery limits 85-115%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Date Digested: 2/28/2012 Date Analyzed: 2/28/2012
Sample Spiked: 2012020629-11

Element	Sample Conc.	Spike Conc.	MS Conc.	MS %Rec	MSD Conc	MSD %Rec	RPD
Arsenic	23.09	50.0	70.20	94.2	70.25	94.3	0.1
Copper	0.86	50.0	45.39	89.1	45.45	89.2	0.1
Zinc	2.60	50.0	45.49	85.8	45.58	86.0	0.2

Recovery Limits 70-130%

RPD Limit 20

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Steven G. Hibbs
Laboratory Manager

POINT
RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

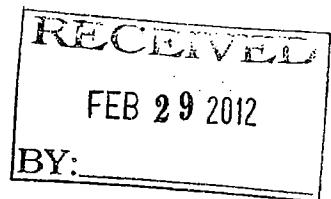
2012020629

CHAIN OF CUSTODY RECORD

PROJ. NO	PROJECT NAME							NO. OF CONTAINERS	REMARKS
		(FEB)							
TACOMA Smelter	Outfall samples								
SAMPLERS: (Signature) <i>D. Miller</i>									
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER				
2/6/12	North	9:00	X		TSM 0212406			1	X
2/6/12	OSW-2	9:05	X		TSM 0212206			1	X
2/6/12	South	9:15	X		TSM 0212106			1	X
2/13/12	North	10:35	X		TSM 0212413			1	X
2/13/12	OSW-2	10:45	X		TSM 0212213			1	X
2/13/12	South	10:55	X		TSM 0212113			1	X
2/20/12	North	9:10	X		TSM 0212420			1	X
2/20/12	OSW-2	9:15	X		TSM 0212220			1	X
2/20/12	South	9:25	X		TSM 0212120			1	X
2/27/12	North	12:30	X		TSM 0212427			1	X
2/27/12	OSW-2	12:35	X		TSM 0212227			1	X
2/27/12	South	12:40	X		TSM 0212127			1	X
Relinquished (Signature) <i>D. Miller</i>				Date/Time	Received by: (Signature) <i>P. K.</i>			Lab	Shipped via: FedEx, UPS or Other _____ Air Bill # _____ <i>Drop off</i>
				2/27/12 15:00				Spectra	
Relinquished (Signature)				Date/Time	Received by: (Signature)			Remarks	
Relinquished (Signature)				Date/Time	Received for Laboratory by: (Signature)			Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
Split Samples: []Accepted []Declined _____									
<i>Signature</i>									

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02/24/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/06/2012
Spectra Project: 2012020126

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8575198	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/27/2012
8575198	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/27/2012
8575197	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/27/2012
8575197	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/27/2012
8575196	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/27/2012
8575196	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/27/2012
8575195	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/30/2012
8575195	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/30/2012
8575194	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/30/2012
8575194	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/30/2012
8575193	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/30/2012
8575193	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/30/2012
8575192	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/31/2012
8575192	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/31/2012
8575191	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/31/2012
8575191	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/31/2012

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Steve Hibbs, Laboratory Manager
a8/scj



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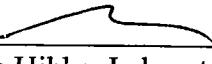
02/24/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/06/2012
Spectra Project: 2012020126

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8575190	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/31/2012
8575190	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/31/2012
8575189	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/01/2012
8575189	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/01/2012
8575188	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/01/2012
8575188	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/01/2012
8575187	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/01/2012
8575187	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/01/2012
8575186	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2012
8575186	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2012
8575185	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2012
8575185	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2012
8575184	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2012
8575184	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2012
8575183	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/03/2012
8575183	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/03/2012

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj



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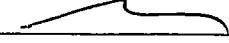
02/24/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/06/2012
Spectra Project: 2012020126

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8575182	17	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/03/2012
8575182	17	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/03/2012
8575181	18	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/03/2012
8575181	18	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/03/2012
8575174	19	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/06/2012
8575174	19	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/06/2012

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj

CHAIN OF CUSTODY RECORD

201201026

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS	
AIR monitoring		Pt. Ruston LLC (Hi-Vol)				A5 Pb
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	
1/27/12	S.G.		X		8575198	
1/27/12	GCF-VI		X		8575197	
1/27/12	GCF-NW		X		8575196	
1/30/12	S.G.		X		8575195	
1/30/12	GCF-VI		X		8575194	
1/30/12	GCF-NW		X		8575193	
1/31/12	S.G.		X		8575192	
1/31/12	GCF-VI		X		8575191	
1/31/12	GCF-NW		X		8575190	
2/1/12	S.G.		X		8575189	
2/1/12	GCF-VI		X		8575188	
2/1/12	GCF-NW		X		8575187	
2/2/12	S.G.		X		8575186	
2/2/12	GCF-VI		X		8575185	
2/2/12	GCF-NW		X		8575184	
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other
<i>D. Miller</i>		2/6/12 12:27	<i>R. L. R.</i>		Spectra	<i>Drop off</i>
Relinquished (Signature)		Date/Time	Received by: (Signature)		Air Bill #	
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed:
						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
Split Samples: []Accepted []Declined _____						
<i>Signature</i>						

CHAIN OF CUSTODY RECORD

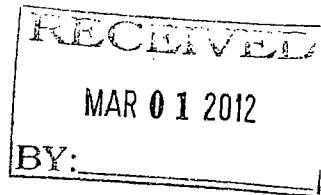
2012020120

**POINT
RUSTON**
5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO		PROJECT NAME				NO. OF CONTAINERS								
AIR Monitoring		(H1-U0)		Pt. Ruston LLC										
SAMPLERS: (Signature)		<i>J. Miller</i>										REMARKS		
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER									
2/3/12	S.G		X		8575183		1	X						
2/3/12	OCF-U		X		8575182		1	X						
2/3/12	OCF-NW		X		8575181		1	X						
2/6/12	control				8575174		1	X						
2/6/12	<i>- H1 VOLUME SAMPLERS LOG -</i>													
Relinquished (Signature)		<i>J. Miller</i>		Date/Time		Received by: (Signature)		Lab		Shipped via: FedEx, UPS, or Other <i>Drop off</i> Air Bill #				
		2/6/12 12:27		<i>R. L. S.</i>		<i>R. L. S.</i>		<i>Spectra</i>						
Relinquished (Signature)				Date/Time		Received by: (Signature)		Remarks						
Relinquished (Signature)				Date/Time		Received for Laboratory by: (Signature)		Date/Time		Enclosed:				
										<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter				
										Split Samples: []Accepted []Declined				

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02/27/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 02/13/2012
Spectra Project: 2012020321

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8575180	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/06/2012
8575180	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/06/2012
8575179	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/06/2012
8575179	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/06/2012
8575178	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/06/2012
8575178	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/06/2012
8575177	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/07/2012
8575177	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/07/2012
8575176	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/07/2012
8575176	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/07/2012
8575175	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/07/2012
8575175	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/07/2012
8575173	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/08/2012
8575173	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/08/2012
8575172	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/08/2012
8575172	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/08/2012

SPECTRALABORATORIES


Steve Hibbs, Laboratory Manager
a8/scj



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02/27/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 02/13/2012
Spectra Project: 2012020321

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8575171	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/08/2012
8575171	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/08/2012
8575170	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/09/2012
8575170	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/09/2012
8575169	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/09/2012
8575169	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/09/2012
8575168	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/09/2012
8575168	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/09/2012
8575167	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/10/2012
8575167	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/10/2012
8575166	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/10/2012
8575166	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/10/2012
8575165	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/10/2012
8575165	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/10/2012
8575158	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/13/2012
8575158	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/13/2012

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager
a8/scj

**POINT
RUSTON**

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

PROJ. NO	PROJECT NAME				NO. OF CONTAINERS	REMARKS
AIR monitoring	(HI-VOL) P+ Ruston LLC					
SAMPLERS: (Signature)						
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	
2/6/12	S.G		X		8575180	1 X
2/6/12	OCF VI		X		8575179	1 X
2/6/12	OCF NW		X		8575178	1 X
2/7/12	S.G		X		8575177	1 X
2/7/12	OCF VI		X		8575176	1 X
2/7/12	OCF NW		X		8575175	1 X
2/8/12	S.G		X		8575173	1 X
2/8/12	OCF VI		X		8575172	1 X
2/8/12	OCF NW		X		8575171	1 X
2/9/12	S.G		X		8575170	1 X
2/9/12	OCF VI		X		8575169	1 X
2/9/12	OCF NW		X		8575168	1 X
2/10/12	S.G		X		8575167	1 X
2/10/12	OCF VI		X		8575166	1 X
2/10/12	OCF NW		X		8575165	1 X
Relinquished (Signature)			Date/Time	Received by: (Signature)	Lab	Shipped via: FedEx, UPS or Other
			2/13/12 15:47		Spectra	Drop off
Relinquished (Signature)			Date/Time	Received by: (Signature)	Remarks	
Relinquished (Signature)			Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed:
						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
Split Samples: []Accepted []Declined						
Signature						

CHAIN OF CUSTODY RECORD

**POINT
RUSTON**
5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



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03/09/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/21/2012
Spectra Project: 2012020496

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8575164	1	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/13/2012
8575164	1	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/13/2012
8575163	2	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/13/2012
8575163	2	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/13/2012
8575162	3	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/13/2012
8575162	3	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/13/2012
8575161	4	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/14/2012
8575161	4	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/14/2012
8575160	5	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/14/2012
8575160	5	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/14/2012
8575159	6	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/14/2012
8575159	6	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/14/2012
8575157	7	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/15/2012
8575157	7	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/15/2012
8575156	8	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/15/2012
8575156	8	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/15/2012

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj



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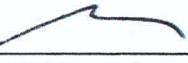
03/09/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/21/2012
Spectra Project: 2012020496

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8575155	9	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/15/2012
8575155	9	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/15/2012
8575154	10	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/16/2012
8575154	10	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/16/2012
8575153	11	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/16/2012
8575153	11	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/16/2012
8575152	12	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/16/2012
8575152	12	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/16/2012
8575151	13	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/17/2012
8575151	13	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/17/2012
8575150	14	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/17/2012
8575150	14	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/17/2012
8575149	15	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/17/2012
8575149	15	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/17/2012
8575142	16	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	02/20/2012
8575142	16	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	02/20/2012

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj

CHAIN OF CUSTODY RECORD

20120204a6

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



SPECTRA Laboratories

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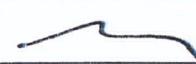
03/09/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/27/2012
Spectra Project: 2012020628

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8575148	1	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/20/2012
8575148	1	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/20/2012
8575147	2	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/20/2012
8575147	2	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/20/2012
8575146	3	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/20/2012
8575146	3	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/20/2012
8575145	4	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/21/2012
8575145	4	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/21/2012
8575144	5	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/21/2012
8575144	5	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/21/2012
8575143	6	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/21/2012
8575143	6	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/21/2012
8575140	7	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/22/2012
8575140	7	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/22/2012
8575139	8	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/22/2012
8575139	8	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/22/2012

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



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03/09/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/27/2012
Spectra Project: 2012020628

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8575137	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/23/2012
8575137	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/23/2012
8575136	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/23/2012
8575136	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/23/2012
8575135	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/24/2012
8575135	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/24/2012
8575134	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/24/2012
8575134	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/24/2012
8575129	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/27/2012
8575129	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/27/2012

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a8/scj

CHAIN OF CUSTODY RECORD

2012020628

**POINT
RUSTON**
5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO		PROJECT NAME		(H1-VOL)											
AIR MONITORING		pt Ruston LLC													
SAMPLERS: (Signature)		<i>Z Miller</i>													
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		NO. OF CONTAINERS	REMARKS							
2/20/12	S.G		X		8575148			1	X						
2/20/12	GCF-VI		X		8575147		1	X							
2/21/12	GCF-NW		X		8575146		1	X							
2/21/12	S.G		X		8575145		1	X							
2/21/12	GCF-VI		X		8575144		1	X							
2/21/12	GCF-NW		X		8575143		1	X							
2/22/12	GCF-VI		X		8575140		1	X							
2/22/12	GCF-NW		X		8575139		1	X							
2/23/12	GCF-VI		X		8575137		1	X							
2/23/12	GCF-NW		X		8575136		1	X							
2/24/12	GCF-VI		X		8575135		1	X							
2/24/12	GCF-NW		X		8575134		1	X							
2/27/12	(Control)				8575129		1	X							
H1 - VOLUME SAMPLER LOG															
Relinquished (Signature) <i>Z Miller</i>				Date/Time 2/27/12 15:00		Received by: (Signature) <i>R P JK</i>		Lab Spectra		Shipped via: FedEx, UPS or Other <i>DROPPED OFF</i>					
Relinquished (Signature)				Date/Time		Received by: (Signature)		Remarks							
Relinquished (Signature)				Date/Time		Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter						
Split Samples: [] Accepted [] Declined _____										Signature _____					



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03/09/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 03/05/2012
Spectra Project: 2012030084

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8575141	1	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/27/2012
8575141	1	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/27/2012
8575133	2	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/27/2012
8575133	2	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/27/2012
8575132	3	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/27/2012
8575132	3	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/27/2012
8575138	4	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/28/2012
8575138	4	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/28/2012
8575131	5	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/28/2012
8575131	5	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/28/2012
8575130	6	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/28/2012
8575130	6	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/28/2012
8575127	7	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/29/2012
8575127	7	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/29/2012
8575126	8	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/29/2012
8575126	8	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/29/2012

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a&scj

CHAIN OF CUSTODY RECORD

2012030084

POINT
RUSTON5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS
AIR MONITORING		Pt Ruston (Hi-Volume)			
SAMPLERS: (Signature) <i>D. K. Weller</i>					
DATE	STA #	TIME	COMP GRAB	SAMPLE NUMBER	
2/27/12	S.G		X	8575141	
2/27/12	OCE-U1		X	8575133	
2/27/12	OCE-NW		X	8575132	
2/28/12	S.G		X	8575138	
2/28/12	OCE-U1		X	8575131	
2/28/12	OCE-NW		X	8575130	
2/29/12	OCE-U1		X	8575127	
2/29/12	OCE-NW		X	8575126	
3/1/12	S.G		X	8575128	
3/1/12	OCE-U1		X	8575124	
3/1/12	OCE-NW		X	8575123	
3/1/12	OCE-U1		X	8575122	
3/1/12	OCE-NW		X	8575121	
3/5/12	<u>H1 VOLUME SAMPLER LOG</u>				
Relinquished (Signature) <i>D. K. Weller</i>		Date/Time 3/5/12 15:22	Received by: (Signature) <i>R. P. R.</i>	Lab Spectra	Shipped via: FedEx, UPS or Other <u>Drop off</u> Air Bill # <u>OTR</u>
Relinquished (Signature)		Date/Time	Received by: (Signature)	Remarks	
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined _____ <i>Signature</i>					

METHANE MONITORING - DATA LOG

Point Ruston, LLC

Building 2B

Period	Well Location	Date Time	Temperature °C	Hydrogen Sulfide			Oxygen Reading	Combustible LEL (Methane) Reading
				Reading	TWA	STEL		
5	2BW001	2/1/2012 10:08	16	0	0	0	20.9	0
5	2BW001	2/1/2012 10:09	17	0	0	0	20.9	0
5	2BW001	2/1/2012 10:10	17	0	0	0	20.9	0
5	2BW001	2/1/2012 10:11	17	0	0	0	20.9	0
5	2BW001	2/1/2012 10:12	17	0	0	0	20.9	0
5	2BW001	2/1/2012 10:13	17	0	0	0	20.9	0
5	2BW001	2/1/2012 10:14	17	0	0	0	20.9	0
6	2BW002	2/1/2012 10:17	15	0	0	0	20.9	0
6	2BW002	2/1/2012 10:18	15	0	0	0	20.9	0
6	2BW002	2/1/2012 10:19	16	0	0	0	20.9	0
6	2BW002	2/1/2012 10:20	15	0	0	0	20.9	0
6	2BW002	2/1/2012 10:21	15	0	0	0	20.9	0
6	2BW002	2/1/2012 10:22	15	0	0	0	20.9	0
6	2BW002	2/1/2012 10:23	15	0	0	0	20.9	0
7	2BW003	2/1/2012 10:26	13	0	0	0	21.1	0
7	2BW003	2/1/2012 10:27	14	0	0	0	20.2	0
7	2BW003	2/1/2012 10:28	14	0	0	0	20.2	0
7	2BW003	2/1/2012 10:29	14	0	0	0	20.2	0
7	2BW003	2/1/2012 10:30	14	0	0	0	20.2	0
7	2BW003	2/1/2012 10:31	13	0	0	0	20.2	0
7	2BW003	2/1/2012 10:32	13	0	0	0	20.2	0
8	2BW004	2/1/2012 10:35	12	0	0	0	20.9	0
8	2BW004	2/1/2012 10:36	12	0	0	0	19.7	0
8	2BW004	2/1/2012 10:37	12	0	0	0	19.7	0
8	2BW004	2/1/2012 10:38	12	0	0	0	19.6	0
8	2BW004	2/1/2012 10:39	12	0	0	0	19.6	0
8	2BW004	2/1/2012 10:40	12	0	0	0	19.6	0
8	2BW004	2/1/2012 10:41	12	0	0	0	19.6	0
9	BBB289	2/1/2012 10:46	10	0	0	0	20.9	0
9	BBB289	2/1/2012 10:47	10	0	0	0	18.7	0
9	BBB289	2/1/2012 10:48	10	0	0	0	19.2	0
9	BBB289	2/1/2012 10:49	11	0	0	0	19.2	0
9	BBB289	2/1/2012 10:50	11	0	0	0	19.2	0
9	BBB289	2/1/2012 10:51	11	0	0	0	19.2	0
9	BBB289	2/1/2012 10:52	11	0	0	0	19.2	0
10	BBB290	2/1/2012 10:55	10	0	0	0	20.6	0
10	BBB290	2/1/2012 10:56	10	0	0	0	17.3	0
10	BBB290	2/1/2012 10:57	10	0	0	0	17.1	0
10	BBB290	2/1/2012 10:58	10	0	0	0	16.9	0
10	BBB290	2/1/2012 10:59	10	0	0	0	16.9	0
10	BBB290	2/1/2012 11:00	10	0	0	0	17.1	0
10	BBB290	2/1/2012 11:01	10	0	0	0	17.1	0
11	BCN914	2/1/2012 11:09	7	0	0	0	20.9	0
11	BCN914	2/1/2012 11:10	8	0	0	0	20.6	0
11	BCN914	2/1/2012 11:11	8	0	0	0	20.4	0
11	BCN914	2/1/2012 11:12	8	0	0	0	20.3	0
11	BCN914	2/1/2012 11:13	8	0	0	0	20.7	0
11	BCN914	2/1/2012 11:14	8	0	0	0	20.5	0
11	BCN914	2/1/2012 11:15	8	0	0	0	20.4	0

Month of February, 2012

METHANE MONITORING - DATA LOG

Point Ruston, LLC

Building 2B

Period	Well Location	Date Time	Temperature °C	Hydrogen Sulfide			Oxygen Reading	Combustible LEL (Methane) Reading
				Reading	TWA	STEL		
9	BBB290	2/8/2012 9:38	8	0	0	0	17.2	0
9	BBB290	2/8/2012 9:39	9	0	0	0	17.1	0
9	BBB290	2/8/2012 9:40	9	0	0	0	16.9	0
9	BBB290	2/8/2012 9:41	9	0	0	0	17.2	0
9	BBB290	2/8/2012 9:42	9	0	0	0	17.0	0
9	BBB290	2/8/2012 9:43	9	0	0	0	16.9	0
10	BCN914	2/8/2012 9:47	8	0	0	0	20.2	0
10	BCN914	2/8/2012 9:48	8	0	0	0	20.6	0
10	BCN914	2/8/2012 9:49	9	0	0	0	20.4	0
10	BCN914	2/8/2012 9:50	9	0	0	0	20.3	0
10	BCN914	2/8/2012 9:51	9	0	0	0	20.7	0
10	BCN914	2/8/2012 9:52	9	0	0	0	20.5	0
10	BCN914	2/8/2012 9:53	9	0	0	0	20.4	0
10	BCN914	2/8/2012 9:54	9	0	0	0	20.6	0
11	BCN915	2/8/2012 10:00	7	0	0	0	20.7	0
11	BCN915	2/8/2012 10:01	8	0	0	0	19.9	0
11	BCN915	2/8/2012 10:02	8	0	0	0	20.1	0
11	BCN915	2/8/2012 10:03	8	0	0	0	20.0	0
11	BCN915	2/8/2012 10:04	9	0	0	0	19.8	0
11	BCN915	2/8/2012 10:05	9	0	0	0	19.9	0
11	BCN915	2/8/2012 10:06	9	0	0	0	20.1	0
11	BCN915	2/8/2012 10:07	9	0	0	0	19.9	0
11	BCN915	2/8/2012 10:08	9	0	0	0	19.8	0
4	2BW001	2/15/2012 9:21	15	0	0	0	20.9	0
4	2BW001	2/15/2012 9:22	16	0	0	0	20.9	0
4	2BW001	2/15/2012 9:23	16	0	0	0	20.7	0
4	2BW001	2/15/2012 9:24	16	0	0	0	20.7	0
4	2BW001	2/15/2012 9:25	16	0	0	0	20.7	0
4	2BW001	2/15/2012 9:26	15	0	0	0	20.9	0
4	2BW001	2/15/2012 9:27	15	0	0	0	20.9	0
4	2BW001	2/15/2012 9:28	15	0	0	0	20.9	0
5	2BW002	2/15/2012 9:31	13	0	0	0	21.1	0
5	2BW002	2/15/2012 9:32	13	0	0	0	20.9	0
5	2BW002	2/15/2012 9:33	13	0	0	0	20.9	0
5	2BW002	2/15/2012 9:34	13	0	0	0	20.9	0
5	2BW002	2/15/2012 9:35	12	0	0	0	20.9	0
5	2BW002	2/15/2012 9:36	12	0	0	0	21.3	0
5	2BW002	2/15/2012 9:37	12	0	0	0	21.3	0
6	2BW003	2/15/2012 9:41	10	0	0	0	21.7	0
6	2BW003	2/15/2012 9:42	10	0	0	0	20.5	0
6	2BW003	2/15/2012 9:43	10	0	0	0	20.4	0
6	2BW003	2/15/2012 9:44	10	0	0	0	20.4	0
6	2BW003	2/15/2012 9:45	10	0	0	0	20.6	0
6	2BW003	2/15/2012 9:46	10	0	0	0	20.5	0
6	2BW003	2/15/2012 9:47	10	0	0	0	20.3	0
6	2BW003	2/15/2012 9:48	10	0	0	0	20.7	0
7	2BW004	2/15/2012 9:51	8	0	0	0	21.5	0
7	2BW004	2/15/2012 9:52	9	0	0	0	19.9	0
7	2BW004	2/15/2012 9:53	9	0	0	0	19.7	0
7	2BW004	2/15/2012 9:54	9	0	0	0	19.6	0

Month of February, 2012

METHANE MONITORING - DATA LOG

Point Ruston, LLC

Building 2B

Period	Well Location	Date Time	Temperature °C	Hydrogen Sulfide			Oxygen Reading	Combustible LEL (Methane) Reading
				Reading	TWA	STEL		
4	2BW002	2/22/2012 8:48	12	0	0	0	20.9	0
4	2BW002	2/22/2012 8:49	12	0	0	0	20.9	0
5	2BW003	2/22/2012 8:53	11	0	0	0	21.1	0
5	2BW003	2/22/2012 8:54	11	0	0	0	18.9	0
5	2BW003	2/22/2012 8:55	11	0	0	0	19.1	0
5	2BW003	2/22/2012 8:56	12	0	0	0	18.9	0
5	2BW003	2/22/2012 8:57	12	0	0	0	18.9	0
5	2BW003	2/22/2012 8:58	12	0	0	0	18.8	0
5	2BW003	2/22/2012 8:59	12	0	0	0	18.8	0
5	2BW003	2/22/2012 9:00	12	0	0	0	18.8	0
5	2BW003	2/22/2012 9:01	12	0	0	0	19.0	0
5	2BW003	2/22/2012 9:02	12	0	0	0	18.8	0
6	2BW004	2/22/2012 9:05	11	0	0	0	20.9	0
6	2BW004	2/22/2012 9:06	11	0	0	0	17.9	0
6	2BW004	2/22/2012 9:07	11	0	0	0	17.9	0
6	2BW004	2/22/2012 9:08	11	0	0	0	17.9	0
6	2BW004	2/22/2012 9:09	11	0	0	0	17.8	0
6	2BW004	2/22/2012 9:10	11	0	0	0	17.9	0
6	2BW004	2/22/2012 9:11	11	0	0	0	18.0	0
6	2BW004	2/22/2012 9:12	11	0	0	0	17.8	0
6	2BW004	2/22/2012 9:13	12	0	0	0	17.8	0
6	2BW004	2/22/2012 9:14	12	0	0	0	17.8	0
7	BBB289	2/22/2012 9:16	11	0	0	0	20.5	0
7	BBB289	2/22/2012 9:17	11	0	0	0	20.9	0
7	BBB289	2/22/2012 9:18	11	0	0	0	18.1	0
7	BBB289	2/22/2012 9:19	11	0	0	0	18.3	0
7	BBB289	2/22/2012 9:20	11	0	0	0	18.4	0
7	BBB289	2/22/2012 9:21	11	0	0	0	18.4	0
8	BBB289	2/22/2012 9:23	11	0	0	0	18.4	0
8	BBB289	2/22/2012 9:24	11	0	0	0	18.4	0
8	BBB289	2/22/2012 9:25	11	0	0	0	18.4	0
8	BBB289	2/22/2012 9:26	12	0	0	0	18.4	0
9	BBB290	2/22/2012 9:29	10	0	0	0	20.9	0
9	BBB290	2/22/2012 9:30	11	0	0	0	16.0	0
9	BBB290	2/22/2012 9:31	11	0	0	0	15.4	0
9	BBB290	2/22/2012 9:32	11	0	0	0	15.3	0
9	BBB290	2/22/2012 9:33	11	0	0	0	15.3	0
9	BBB290	2/22/2012 9:34	11	0	0	0	15.3	0
9	BBB290	2/22/2012 9:35	11	0	0	0	15.3	0
9	BBB290	2/22/2012 9:36	11	0	0	0	15.2	0
9	BBB290	2/22/2012 9:37	12	0	0	0	15.3	0
9	BBB290	2/22/2012 9:38	12	0	0	0	15.3	0
10	BCN914	2/22/2012 9:41	11	0	0	0	20.0	0
10	BCN914	2/22/2012 9:42	11	0	0	0	20.4	0
10	BCN914	2/22/2012 9:43	11	0	0	0	19.7	0
10	BCN914	2/22/2012 9:44	11	0	0	0	19.7	0
10	BCN914	2/22/2012 9:45	12	0	0	0	19.7	0
10	BCN914	2/22/2012 9:46	12	0	0	0	19.7	0
10	BCN914	2/22/2012 9:47	12	0	0	0	19.7	0
10	BCN914	2/22/2012 9:48	12	0	0	0	19.7	0

Month of February, 2012

METHANE MONITORING - DATA LOG

Point Ruston, LLC

Building 2B

Period	Well Location	Date Time	Temperature °C	Hydrogen Sulfide			Oxygen Reading	Combustible LEL (Methane) Reading
				Reading	TWA	STEL		
6	2BW004	2/29/2012 10:34	7	0	0	0	19.5	0
6	2BW004	2/29/2012 10:35	7	0	0	0	19.5	0
6	2BW004	2/29/2012 10:36	7	0	0	0	19.4	0
6	2BW004	2/29/2012 10:37	7	0	0	0	19.7	0
7	BBB289	2/29/2012 10:41	6	0	0	0	20.9	0
7	BBB289	2/29/2012 10:42	6	0	0	0	18.7	0
7	BBB289	2/29/2012 10:43	6	0	0	0	18.9	0
7	BBB289	2/29/2012 10:44	7	0	0	0	18.9	0
7	BBB289	2/29/2012 10:45	7	0	0	0	19.3	0
7	BBB289	2/29/2012 10:46	7	0	0	0	19.2	0
7	BBB289	2/29/2012 10:47	7	0	0	0	19.1	0
7	BBB289	2/29/2012 10:48	7	0	0	0	19.0	0
7	BBB289	2/29/2012 10:49	7	0	0	0	19.0	0
8	BBB289	2/29/2012 10:53	6	0	0	0	20.9	0
8	BBB289	2/29/2012 10:54	6	0	0	0	15.6	0
8	BBB289	2/29/2012 10:55	7	0	0	0	15.4	0
8	BBB289	2/29/2012 10:56	7	0	0	0	15.3	0
8	BBB289	2/29/2012 10:57	7	0	0	0	15.5	0
8	BBB289	2/29/2012 10:58	7	0	0	0	15.5	0
8	BBB289	2/29/2012 10:59	7	0	0	0	15.4	0
8	BBB289	2/29/2012 11:00	7	0	0	0	15.3	0
8	BBB289	2/29/2012 11:01	7	0	0	0	15.2	0
9	BCN914	2/29/2012 11:05	7	0	0	0	20.6	0
9	BCN914	2/29/2012 11:06	7	0	0	0	19.9	0
9	BCN914	2/29/2012 11:07	7	0	0	0	19.9	0
9	BCN914	2/29/2012 11:08	7	0	0	0	19.9	0
9	BCN914	2/29/2012 11:09	7	0	0	0	19.9	0
9	BCN914	2/29/2012 11:10	7	0	0	0	19.9	0
9	BCN914	2/29/2012 11:11	7	0	0	0	19.9	0
9	BCN914	2/29/2012 11:12	7	0	0	0	19.9	0
9	BCN914	2/29/2012 11:13	7	0	0	0	19.9	0
10	BCN914	2/29/2012 11:15	7	0	0	0	19.9	0
11	BCN915	2/29/2012 11:20	5	0	0	0	20.9	0
11	BCN915	2/29/2012 11:21	6	0	0	0	20.0	0
11	BCN915	2/29/2012 11:22	6	0	0	0	19.9	0
11	BCN915	2/29/2012 11:23	6	0	0	0	20.3	0
11	BCN915	2/29/2012 11:24	6	0	0	0	20.2	0
11	BCN915	2/29/2012 11:25	6	0	0	0	20.0	0
11	BCN915	2/29/2012 11:26	6	0	0	0	20.0	0
11	BCN915	2/29/2012 11:27	6	0	0	0	19.9	0
11	BCN915	2/29/2012 11:28	6	0	0	0	20.2	0
11	BCN915	2/29/2012 11:29	6	0	0	0	20.2	0

Month of February, 2012

Gas Monitoring Data Form / Calibration Worksheet

Project Name: Building 2B

Date of Sampling: 3/1/12

Name of Sample Collector: Pat W. Lester

Gas Meter Information

Manufacturer:	Industrial Scientific	Model:	M40 / SP40	Serial Number:	0806049-984
Factory/Service Center Calibration Date of Gas Monitor:	November 1, 2011				Pump Rate of Gas Meter: .5 SCFH (0.25 LPM)

Calibration Canister Information

Canister I.D.	Lot: <u>1212235</u>	Cyl: <u>X9</u>	Calibration Gas:	<u>O₂, LEL, CO, H₂S, N</u>	Canister Exp.:	<u>Oct 2012</u>
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PRE-SAMPLE CALIBRATION:

Sensor SN	Sensor Type	Gas Type	Span Gas	Span Reserve	Passed/Failed	Alarm Low	Alarm High	Alarm TWA	Alarm STEL
806862459	Combustible-LEL	Methane	50	47	/				
805823354	Hydrogen Sulfide	Hydrogen Sulfide	25	20	/				
180339703081	Oxygen	Oxygen	19	16.3	/				

SAMPLING RECORD:

Temperature: 42.3 F Barometric Pressure: 30.14 ↑ Ground Conditions: wet

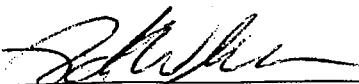
Precipitation: 0.1 Tidal Conditions: HIGH TIDE 16:54

Wind Speed: 4 Direction: SSW Other Relevant Conditions: overcast/scattered clouds RAIN

Location Well ID#	Sample Tube Purge (Y/N)	Start Time	Stop Time	Initial % LEL	Stabilized % LEL	% CH ₄ By Volume	% O ₂	H ₂ S (ppm)	Notes
2BW001		10:08	10:15	0	0	0	20.9	0	
2BW002		10:17	10:24	0	0	0	20.9	0	
2BW003		10:26	10:33	0	0	0	20.2	0	
2BW004		10:35	10:42	0	0	0	19.6	0	
BBB289		10:46	10:53	0	0	0	19.2	0	
BBB290		10:55	11:02	0	0	0	17.1	0	
BCN914		11:10	11:17	0	0	0	21.3	0	
BCN915		11:23	11:30	0	0	0	20.1	0	

Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct.

SIGNATURE: 

DATE: 3/1/12

Gas Monitoring Data Form / Calibration Worksheet

Project Name:

Building 2B

Date of Sampling:

2/8/12

Name of Sample Collector:

Pat Wilcock

Gas Meter Information

Manufacturer:	Industrial Scientific	Model:	M40 / SP40	Serial Number:	0806049-984
Factory/Service Center Calibration Date of Gas Monitor:	November 1, 2011			Pump Rate of Gas Meter:	.5 SCFH (0.25 LPM)

Calibration Canister Information

Canister I.D.	Lot: <u>1212235</u>	Cyl: <u>9</u>	Calibration Gas:	O ₂ , LEL, CO, H ₂ S, N	Canister Exp.:	<u>OCT 2012</u>
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PRE-SAMPLE CALIBRATION:

Date: 2/8/12

Time: 8:17

Sensor SN	Sensor Type	Gas Type	Span Gas	Span Reserve	Passed/Failed	Alarm Low	Alarm High	Alarm TWA	Alarm STEL
806862459	Combustible-LEL	Methane	50	50	P				
805823354	Hydrogen Sulfide	Hydrogen Sulfide	25	50	P				
180339703081	Oxygen	Oxygen	19	32.5	P				

SAMPLING RECORD:

Temperature: 43.1 Barometric Pressure: 30.16 Ground Conditions: wet

Precipitation: 0.7 Tidal Conditions: 11.0 ft S.A.S. 0.0 m

Wind Speed: 1 Direction: SSW Other Relevant Conditions: 82°F/18°C

Location Well ID#	Sample Tube Purge (Y/N)	Start Time	Stop Time	Initial % LEL	Stabilized % LEL	% CH ₄ By Volume	% O ₂	H ₂ S (ppm)	Notes
2BW001	Y	8:42	9:58	0	0	0	20.9	0	
2BW002	Y	8:52	9:00	0	0	0	20.9	0	
2BW003	Y	9:02	9:10	0	0	0	20.9	0	
2BW004	Y	9:12	9:20	0	0	0	20.9	0	
BBB289	Y	9:24	9:31	0	0	0	20.3	0	
BBB290	Y	9:35	9:43	0	0	0	16.8	0	
BCN914	Y	9:46	9:54	0	0	0	16.7	0	
BCN915	Y	10:00	10:08	0	0	0	16.6	0	

Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct.

SIGNATURE:

2/8/12
DATE

Gas Monitoring Data Form / Calibration Worksheet

Project Name: Building 2B

Date of Sampling: 2/15/12

Name of Sample Collector: Pat Wilcox

Gas Meter Information

Manufacturer:	Industrial Scientific	Model:	M40 / SP40	Serial Number:	0806049-984
Factory/Service Center Calibration Date of Gas Monitor:	<u>November 1, 2011</u>		Pump Rate of Gas Meter:	.5 SCFH (0.25 LPM)	

Calibration Canister Information

Canister I.D.	Lot: 1212235	Cyl:	9	Calibration Gas:	O ₂ , LEL, CO, H ₂ S, N	Canister Exp.:	Oct 2012
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PRE-SAMPLE CALIBRATION:

Sensor SN	Sensor Type	Gas Type	Span Gas	Span Reserve	Passed/ Failed	Alarm Low	Alarm High	Alarm TWA	Alarm STEL
806862459	Combustible-LEL	Methane	50	94	P				
805823354	Hydrogen Sulfide	Hydrogen Sulfide	25	51	P				
180339703081	Oxygen	Oxygen	19	30.4	P				

SAMPLING RECORD:

Temperature:	<u>36.7</u>	Barometric Pressure:	<u>30.43</u>	Ground Conditions:	<u>wet</u>
Precipitation:	<u>0</u>	Tidal Conditions:	<u>HIGHTIDE 10:07</u>		
Wind Speed:	<u>4</u>	Direction:	<u>SSW</u>	Other Relevant Conditions:	<u>overcast / fog</u>

Location Well ID#	Sample Tube Purge (Y/N)	Start Time	Stop Time	Initial % LEL	Stabilized % LEL	% CH ₄ By Volume	% O ₂	H ₂ S (ppm)	Notes
2BW001		9:20	9:27	0	0	0	20.9	0	
2BW002		9:30	9:37	0	0	0	21.2	0	
2BW003		9:40	9:47	0	0	0	20.6	0	
2BW004		9:50	9:57	0	0	0	19.7	0	
BBB289		10:00	10:07	0	0	0	19.4	0	
BBB290		10:10	10:17	0	0	0	16.4	0	
BCN 914		10:20	10:27	0	0	0	20.1	0	
BCN 915		10:30	10:37	0	0	0	19.7	0	

Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct.

SIGNATURE:

2/15/12
DATE:

Gas Monitoring Data Form / Calibration Worksheet

Project Name: Building 2B

Date of Sampling: 2/22/12

Name of Sample Collector: Pat Wilson

Gas Meter Information

Manufacturer:	Industrial Scientific	Model:	M40 / SP40	Serial Number:	0806049-984
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Factory/Service Center Calibration Date of Gas Monitor:	November 1, 2011	Pump Rate of Gas Meter:	.5 SCFH (0.25 LPM)
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Calibration Canister Information

Canister I.D.	Lot: 1212275	Cyl:	9	Calibration Gas:	O ₂ , LEL, CO, H ₂ S, N	Canister Exp.:	out 2/27
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PRE-SAMPLE CALIBRATION:		Date:	2/22/12		Time:		8:10		
Sensor SN	Sensor Type	Gas Type	Span Gas	Span Reserve	Passed/Failed	Alarm Low	Alarm High	Alarm TWA	Alarm STEL
806862459	Combustible-LEL	Methane	50	50/92	P				
805823354	Hydrogen Sulfide	Hydrogen Sulfide	25	25/51	P				
180339703081	Oxygen	Oxygen	19	34/4	P				

SAMPLING RECORD:

Temperature: 56.2 Barometric Pressure: 30.15 Ground Conditions: wet

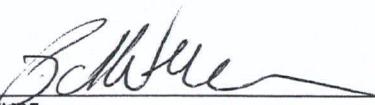
Precipitation: 0.03 Tidal Conditions: Hi Tide 5:30

Wind Speed: 14 Direction: SW Other Relevant Conditions: overcast

Location Well ID#	Sample Tube Purge (Y/N)	Start Time	Stop Time	Initial % LEL	Stabilized % LEL	% CH ₄ By Volume	% O ₂	H ₂ S (ppm)	Notes
2BW001		8:28	8:38	0	0	0	20.9	0	
2BW002		8:40	8:50	0	0	0	20.9	0	
2BW003		8:52	9:02	0	0	0	18.8	0	
2BW004		9:04	9:14	0	0	0	17.8	0	
BRR289		9:16	9:26	0	0	0	18.4	0	
BRR290		9:28	9:38	0	0	0	15.2	0	
BCN 914		9:40	9:50	0	0	0	19.7	0	
BCN 915		9:52	10:02	0	0	0	19.7	0	

Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct.

SIGNATURE: 

DATE: 2/22/12

Gas Monitoring Data Form / Calibration Worksheet

Project Name: Building 2B

Date of Sampling: 2/29/12

Name of Sample Collector:

Pat Wilber

Gas Meter Information

Manufacturer:	Industrial Scientific	Model:	M40 / SP40	Serial Number:	0806049-984
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Factory/Service Center Calibration Date of Gas Monitor:	November 1, 2011	Pump Rate of Gas Meter:	.5 SCFH (0.25 LPM)
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Calibration Canister Information

Canister I.D.	Lot: <u>1212235</u>	Cyl: <u>9</u>	Calibration Gas:	O ₂ , LEL, CO, H ₂ S, N	Canister Exp.:	<u>OCT 2012</u>
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PRE-SAMPLE CALIBRATION:		Date:	2/29/12		Time:		9:27		
Sensor SN	Sensor Type	Gas Type	Span Gas	Span Reserve	Passed/Failed	Alarm Low	Alarm High	Alarm TWA	Alarm STEL
806862459	Combustible-LEL	Methane	50	50/93	P				
805823354	Hydrogen Sulfide	Hydrogen Sulfide	25	25/49	P				
180339703081	Oxygen	Oxygen	19	345	P				

SAMPLING RECORD:

Temperature: 36.5 Barometric Pressure: 29.56 Ground Conditions: wet

Precipitation: .01 Tidal Conditions: 41.71DE 9.05

Wind Speed: 0-19 Direction: SSW Other Relevant Conditions: Rain

Location Well ID#	Sample Tube Purge (Y/N)	Start Time	Stop Time	Initial % LEL	Stabilized % LEL	% CH ₄ By Volume	% O ₂	H ₂ S (ppm)	Notes
2BW001		9:49	10:00	0	0	0	20.9	0	
2BW002		10:02	10:17	0	0	0	20.9	0	
2BW003		10:14	10:24	0	0	0	20.3	0	
2BW004		10:26	10:36	0	0	0	19.9	0	
BBB289		10:39	10:49	0	0	0	18.9	0	
BBB290		10:51	11:01	0	0	0	15.2	0	
BCN914		11:04	11:14	0	0	0	19.9	0	
BCN915		11:13	11:28	0	0	0	20.2	0	

Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct.

SIGNATURE:

Pat Wilber

2/29/12

DATE: